

14 JAN 2002

FORM PTO-1390 (Modified) (REV 11-2000)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER RCA 89642
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 10/031151
INTERNATIONAL APPLICATION NO. PCT/US00/18950	INTERNATIONAL FILING DATE 12 July 2000 (12.07.00)	PRIORITY DATE CLAIMED 14 July 1999 (14.07.99)	
TITLE OF INVENTION METHOD AND APPARATUS FOR USING A SINGLE PASSWORD SET IN AN INTEGRATED TELEVISION SYSTEM			
APPLICANT(S) FOR DO/EO/US Aaron Hal Dinwiddie and David Johnston Lynch			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none">1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2))<ol style="list-style-type: none">a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).b. <input type="checkbox"/> has been communicated by the International Bureau.c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<ol style="list-style-type: none">a. <input type="checkbox"/> is attached hereto.b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))<ol style="list-style-type: none">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).b. <input type="checkbox"/> have been communicated by the International Bureau.c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.d. <input checked="" type="checkbox"/> have not been made and will not be made.8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).			
Items 13 to 20 below concern document(s) or information included:			
<ol style="list-style-type: none">13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.15. <input checked="" type="checkbox"/> A FIRST preliminary amendment.16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.17. <input type="checkbox"/> A substitute specification.18. <input type="checkbox"/> A change of power of attorney and/or address letter.19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).21. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).22. <input checked="" type="checkbox"/> Certificate of Mailing by Express Mail23. <input checked="" type="checkbox"/> Other items or information:			
Return Postcard Receipt			
EXPRESS MAIL LABEL NO. EL902321784US		DATE DEPOSITED: January 14, 2002	

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.107) <div style="font-size: 1.5em; font-weight: bold;">10/031151</div>	INTERNATIONAL APPLICATION NO. <div style="font-weight: bold;">PCT/US00/18950</div>	ATTORNEY'S DOCKET NUMBER <div style="font-weight: bold;">RCA 89642</div>
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24. The following fees are submitted:				CALCULATIONS PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :					
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO					
<div style="float: right;">\$1040.00</div>					
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO					
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Surcharge of \$130.00 for furnishing the oath or declaration later than _____ months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$0.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	9 - 20 =	0	x \$18.00	\$0.00	
Independent claims	2 - 3 =	0	x \$84.00	\$0.00	
Multiple Dependent Claims (check if applicable).				\$0.00	
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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.				\$0.00	
SUBTOTAL =				\$890.00	
Processing fee of \$130.00 for furnishing the English translation later than _____ months from the earliest claimed priority date (37 CFR 1.492 (f)).				\$0.00	
TOTAL NATIONAL FEE =				\$890.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).				\$0.00	
TOTAL FEES ENCLOSED =				\$890.00	
				Amount to be: refunded	\$
				charged	\$ 890.00

- a. ☐ A check in the amount of _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 07-0832 in the amount of \$890.00 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-0832 A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Mr. Joseph S. Tripoli
 THOMSON multimedia Licensing Inc.
 Patent Department
 PO Box 5312
 Princeton, New Jersey 08540

SIGNATURE
DAVID T. SHONEMAN
 NAME
39,371
 REGISTRATION NUMBER
January 14, 2002
 DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Aaron Hal Dinwiddie and David Johnston Lynch
Filed : Herewith
For : METHOD AND APPARATUS FOR USING A SINGLE
PASSWORD SET IN AN INTEGRATED TELEVISION
SYSTEM

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Sir:

In the US national phase application of PCT/US00/18950 filed
herewith, please enter the following amendments:

IN THE SPECIFICATION:

Please amend the specification as follows: A marked up version of the
amended specification is attached herewith:

On Page 1, line 3, please insert the following paragraph:

--This application claims the benefit under 35 U.S.C. § 365 of
International Application PCT/US00//18950, filed July 12, 2000, which was
published in accordance with PCT Article 21(2) on January 25, 2001 in English; and
which claims benefit of U.S. provisional application serial no. 60/143,923 filed July
14, 1999.--

IN THE ABSTRACT:

Please add the following Abstract.

-- A method and apparatus for controlling access to programming that is available from multiple programming sources. One embodiment is an integrated terrestrial and satellite television system having a single password set such that a user can enter a single password to activate both satellite and terrestrial television components of the system.--

REMARKS

The specification has been amended to include a reference to the priority applications.

To meet the requirements of the United States, the Abstract (as originally filed in the PCT application) is added.

No fee is believed to have been incurred by virtue of this amendment. However if a fee is incurred on the basis of this amendment, please charge such fee against deposit account 07-0832

Respectfully submitted,
Aaron Hal Dinwiddie
David Johnston Lynch



David T. Shoneman
Attorney for Applicant
Registration No. 39,371
609/734-9875

THOMSON multimedia Licensing Inc.
Patent Operation
PO Box 5312
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January 14, 2002

**METHOD AND APPARATUS FOR USING A SINGLE PASSWORD SET IN AN
INTEGRATED TELEVISION SYSTEM**

FIELD OF THE INVENTION

5 The invention generally relates to a television receiver system. More particularly, the invention relates to password utilization in a television system capable of receiving signals from multiple sources.

DESCRIPTION OF THE PRIOR ART

10 Traditionally, television viewers have used over-the-air or cable television (terrestrial television) as their primary source of programming. With the emergence of the widespread use of a V-chip and other digital television technologies that control access to programming, many terrestrial television systems are using passwords to limit the access to particular channels or to
15 make service purchases (e.g., pay per view movies). In addition, some television viewers use satellite television systems to obtain various programs or channels from a satellite television provider.

Most satellite television systems utilize passwords for limiting the access to various content material and services. The access level is defined by the level
20 of services to which a viewer has subscribed. To store passwords and facilitate access to the satellite television system, these satellite television systems comprise a satellite set top box (STB) having a smart card interface and an access card, i.e., a smart card. The passwords are used for limiting access to channel viewing lists, purchasing limits on pay per view data, viewing hours and
25 ratings exception handling. In many instances, a television viewer has the capability, through separate systems, to receive both terrestrial and satellite television programming. As such, the viewer that owns a television comprising a V-chip and subscribes to satellite programs is required to use separate satellite system and terrestrial system passwords for accessing the respective satellite
30 and terrestrial television programming. This dual password utilization is not consumer friendly.

Therefore, there is a need for dynamically linking the satellite and terrestrial password systems such that only the passwords from one of these television systems are utilized to enable access to both systems.

5

SUMMARY OF THE INVENTION

The invention provides a method and apparatus for enabling conditional access to programming that is available from multiple sources of programming. One embodiment of the invention is an integrated terrestrial and satellite television system having a single password set such that a user can enter a single password to activate both satellite and terrestrial television components of the system. The integrated television system comprises both a terrestrial television receiver and a satellite television receiver. The terrestrial television receiver utilizes password access (terrestrial passwords) to programming in accordance with the use of a V-chip and the satellite receiver utilizes password access to satellite programming (satellite passwords).

The integrated password access is facilitated by a smart card and smart card interface. When no smart card is used or an incorrect smart card is used, the integrated system defaults to using the terrestrial television passwords to access terrestrial programming and no access to satellite programming are permitted. When a correct smart card is inserted into the integrated system, the master password of satellite television system overwrites the terrestrial password. As such, a single master password is now used to access both terrestrial television programming and satellite television programming.

25

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 depicts a high-level block diagram of an integrated television system;

FIG. 2A depicts a password set of the satellite television system;

FIG. 2B depicts a password set of the terrestrial television system; and

FIG. 3 depicts a flow chart of a routine for implementing a single password system.

To facilitate understanding, identical reference numerals have been used, where possible, to designate identical elements that are common to the figures.

DETAILED DESCRIPTION

FIG. 1 depicts a high-level block diagram of an integrated television system 100 that is capable of receiving television signals from a plurality of sources. The integrated television system 100 comprises an integrated receiver 102 for receiving and processing both terrestrial television signals and satellite television signals. As such, the system 100 receives signals from both a satellite antenna 106 and a terrestrial antenna 104. The signals from the antennas 106 and 104 are separately processed respectively by a satellite television receiver 110 and a terrestrial television receiver 108. The received signals from either source are displayed on a monitor 124 that may be "built-in" to the system 100 or may be a separate device. If the monitor 124 is a separate device, then the integrated system 100 is generally referred to as a "set top box".

The system 100 uses a single programming access process to facilitate selective access to programming from both the satellite television receiver 110 and a terrestrial television receiver 108. Programming display is controlled by the computer 112 interacting with a smart card interface 120 and a smart card 122. The computer 112 (a smart card interface controller) comprises a central processing unit (CPU) 114, a memory 116 and support circuits 118. The CPU 114 is conventionally supported by the memory 116 and the support circuits 118. The support circuits 118 are well known in the computer art as clocks, power supplies, cache, and the like. The memory 116 may be random access memory (RAM) and/or read only memory (ROM). In the context of password access, the smart card 122 comprises ROM 128 for storing passwords that are used in programming access. The passwords in ROM 128 are copied to RAM 116 within the computer 112 when the card is inserted into the interface 120.

When the integrated television system 100 is shipped from the factory, a smart card is shipped with the system. To facilitate activation of a satellite television service, the card is "paired" with the integrated system 100. To pair the card, the card is inserted into the interface and a signal is sent to the system

via a satellite transmission. A unique serial number is then written to the ROM 128 in the card 122 to match a serial number for the integrated system 100 such that the paired card only operates with that particular system.

Each of the satellite and terrestrial television receivers 110 and 108 utilize
5 separate passwords or "password sets." At any given time, the system 100 may utilize the password set of either the satellite or terrestrial television receivers 108 and 110. In one embodiment of the invention, the satellite television password access process overrides the password access process of the television receiver to allow a single password to control both the terrestrial
10 and satellite programming access.

The television receiver 108 includes hardware that controls television programming access. One example of such hardware is a V-chip controller 126 but could also include other forms of conditional access such as cable television descrambling privileges. The V-chip controller 126 enables terrestrial
15 programming access with respect to one or more user profiles or accounts. Each of these user profiles or accounts contain passwords (terrestrial passwords) for enabling access to particular content level of programming, for example, PG-13 rated channels or programs.

The terrestrial passwords that control access to programming using the V-
20 chip controller 126 are stored within the television read only memory (ROM) 130 and are written to random access memory (RAM) 132 upon the television being activated. Alternatively, the television may utilize a smart card for storing the terrestrial passwords that are then written to the television's RAM upon insertion of the smart card into the television. These terrestrial passwords are used
25 whenever a satellite smart card is not inserted into the system 100. Upon receiving a terrestrial password for a corresponding user profile, the controller enables the integrated receiver 102 to display the terrestrial programming that is enabled under that particular user profile.

The integrated receiver 102 includes an interface 120 for receiving an
30 access card or smart card 122. The smart card 122 comprises a system specific code (system serial number) to activate a particular system 100 i.e., for discussion, the card is assumed to be paired with the system 100. As such, the

satellite receiver portion of the system 100 operates only after a paired smart card 110 is inserted into the interface 120. Upon receipt of the smart card 110 and the user's entering a correct password, the satellite receiver 110 descrambles or enables the receipt of particular content via the satellite antenna 106. The satellite receiver 110 is coupled to the monitor 124 for presenting the received content to a viewer.

The user profiles can be displayed on the monitor 124 as sub-screens to enable a user that enters a master password to initialize other user passwords. For example, a high definition television (HDTV) integrated system may have five user profiles, which includes one master profile and four sub-profiles. Each of the user profiles may have separate passwords. These passwords are cumulatively referred to as a password set. The terrestrial password profiles are stored in the ROM 130 while the satellite passwords are stored in the ROM 128.

Restrictions on the sub-profiles for both terrestrial and satellite access are generally defined after entering the master password. Such restrictions may include access to limited channel viewing lists, purchase limits on pay per view material, limits on viewing hours and restrictions on material above a certain rating limit. In addition, the sub-profiles are optionally locked through the master profile. As such, each sub-profile includes a separate password and is defined or restricted through the master profile.

FIG. 2A depicts a password set 200 for the satellite television receiver 110. The password set 200 comprises a master password 202 and four sub-profile passwords 204_1 , 204_2 , 204_3 and 204_4 . Although four sub-profile passwords are depicted, the password set 200 may comprise any number of sub-profiles. FIG. 2B depicts a password set 250 of the terrestrial television receiver 108 e.g., passwords for the V-chip controller 126. As with the password set 200, the password set 250 may comprise a master password 252 and four sub-profile passwords 254_1 , 254_2 , 254_3 and 254_4 . The password set 200 of the satellite receiver may have a different number of sub-passwords than the password set 250 of the terrestrial receiver. However, as described below, the integrated television system 100 of the present invention utilizes only one of these password sets 200 and 250 at any given time.

FIG. 3 depicts a flow diagram of a routine 300 for implementing a single password system as embodied in the invention. The integrated system 100 may include a software module or program stored in memory 116 that when executed by CPU 114 implements routine 300. As both the satellite and terrestrial television receivers have passwords, the routine 300 uses only one of the password sets 200 and 250 associated with one of these television receivers. If the correct (paired) smart card 122 is inserted in interface 120, then the routine 300 uses the satellite receiver passwords 200 for both satellite and terrestrial television programming access. If the smart card 122 is not inserted in the interface 120 or an inactive (unpaired) card is inserted, then the routine 300 uses the terrestrial receiver passwords 250 in a conventional manner to provide terrestrial programming only to a viewer.

After the routine 300 starts at step 302, the routine 300 proceeds to step 304, to determine whether the smart card 122 is inserted into the interface 120. If the smart card 122 is not inserted, then the routine 300 proceeds to step 306. Alternatively, if the smart card 122 is inserted into the interface 120, then the routine 300 proceeds to step 308.

At step 306, the routine 300 uses the terrestrial television receiver passwords 250 in a conventional manner to permit access to terrestrial programming using a V-chip. In this case, the routine 300 precludes the use of the satellite passwords 200. However, if the system 100 receives the smart card 122 at a later time, then the routine 300 starts over at step 302.

At step 308, the routine 300 determines whether the smart card 122 is "paired" to the system 100, i.e., does the card serial number match the system serial number.

If the smart card 122 is not paired to the system 100, the routine 300 proceeds to step 306. As such, the routine 300 precludes use of the satellite passwords 200 on that system 100. On the other hand, if the smart card 122 is paired to the system 100, the routine 300 proceeds to step 310.

At step 310, the routine 300 synchronizes and/or links the satellite passwords 200 to the terrestrial passwords 250. Synchronization is performed by writing the satellite passwords over the terrestrial passwords in RAM 116.

As such, the user can enter a satellite password to access both the terrestrial and satellite programming. The routine 300 proceeds to step 312, where the routine 300 uses the satellite system passwords 200 for all programming access as well as sub-profile alteration.

5 Consequently, the present invention provides a method for simplifying a viewer's access to television programming that programming arrives from various password controlled sources.

10 Although various embodiments which incorporate the teachings of the present invention have been shown and described in detail herein, those skilled in the art can readily devise many other varied embodiments that still incorporate these teachings.

What is claimed is:

1. Apparatus for integrating passwords for accessing programming from multiple sources, the apparatus comprising:
 - a memory for storing a first password associated with a first source of programming;
 - removable memory for storing a second password associated with a second source of programming;
 - temporary memory for temporarily storing said first password during use;
 - and
 - means for replacing said first password in said temporary storage with said second password to enable said second password to allow access to programming from said first and second sources.
2. The apparatus of claim 1 wherein the first and second password each comprise a master password.
3. The apparatus of claim 2 wherein said first password and second password each further comprises a sub-profile password.
4. The apparatus of claim 1 wherein said removable memory is a smart card.
5. A method for integrating passwords for accessing multiple sources of programming in an integrated television system, the method comprising:
 - processing a first password if the integrated television system receives an access card containing said first password, where said first password enables access to said multiple sources of programming; and
 - processing a second password if the integrated television system fails to receive the access card.
6. The method of claim 4 wherein each of the first and second passwords each comprises a master password.

7. The method of claim 6 wherein at least one of the first and second passwords further comprises a sub-profile password.
8. The method of claim 5 further comprising writing said second password to temporary storage for use when an access card is not received; and
overwriting said second password in temporary storage with said first password when said access card is received.
9. The method of claim 5 further comprising validating said access card before using said first password.

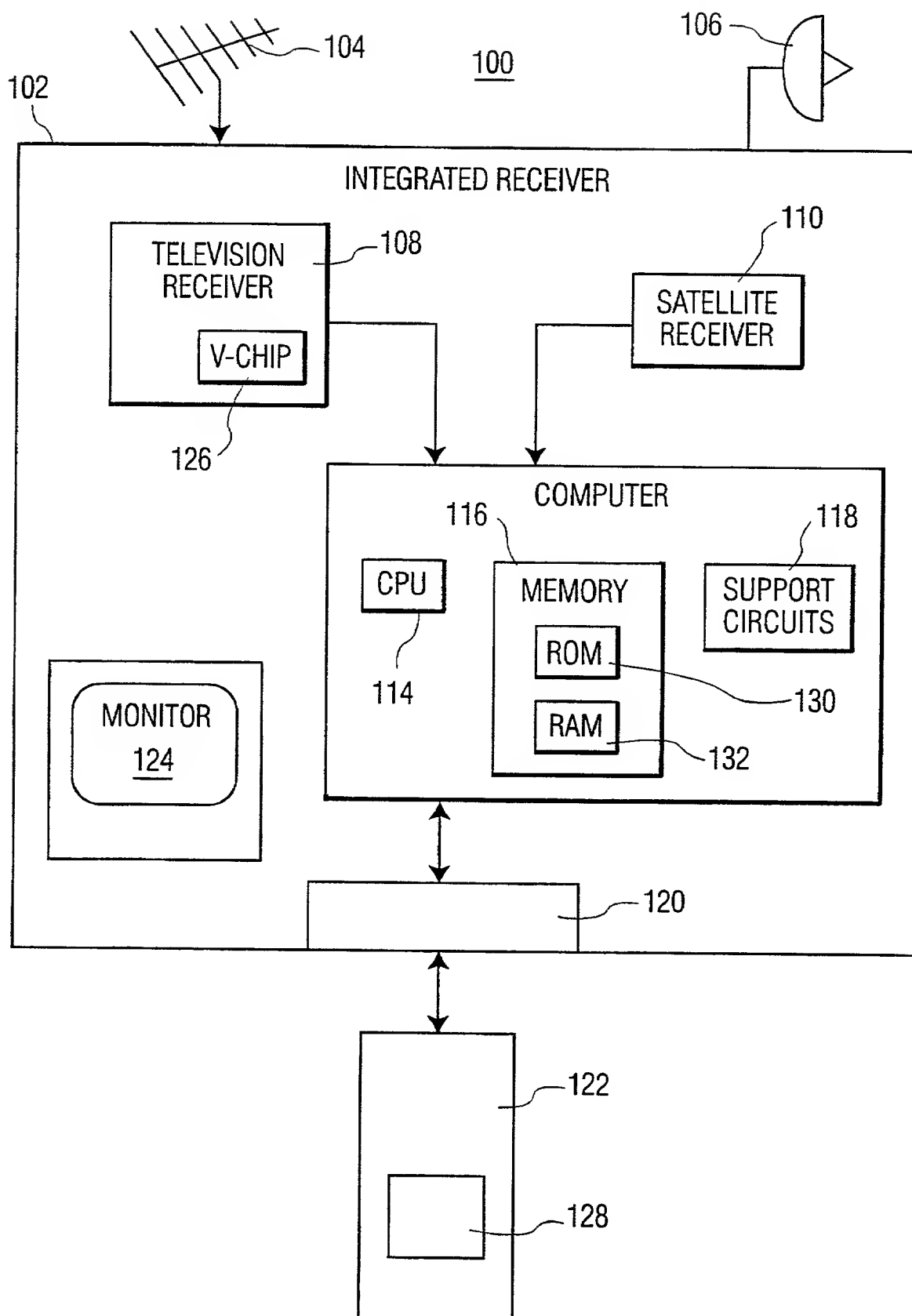


FIG. 1

2/3

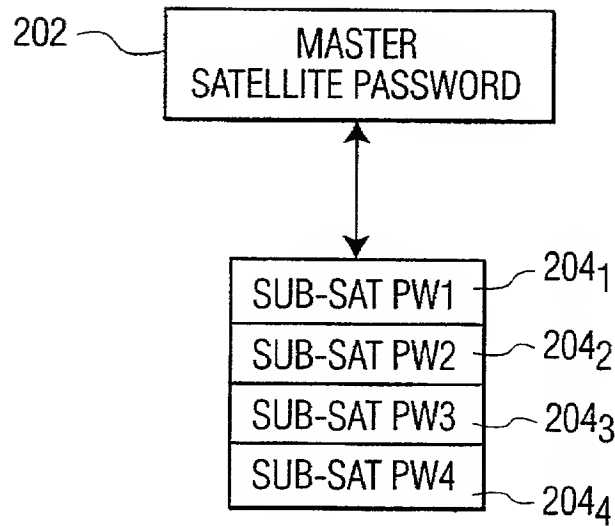


FIG. 2A

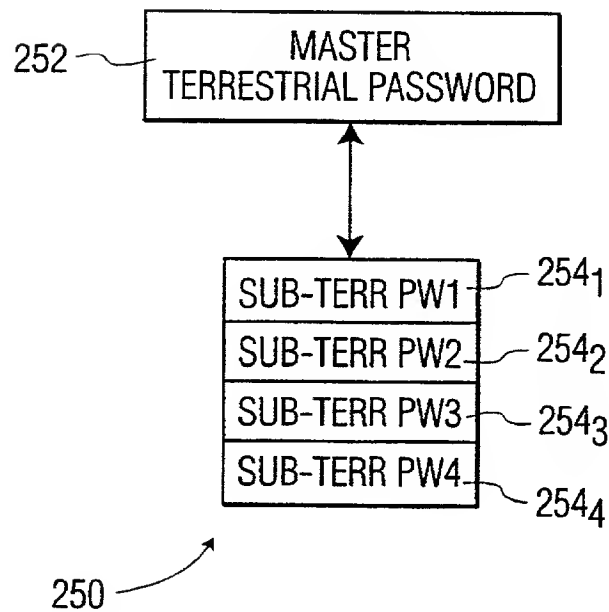


FIG. 2B

3/3

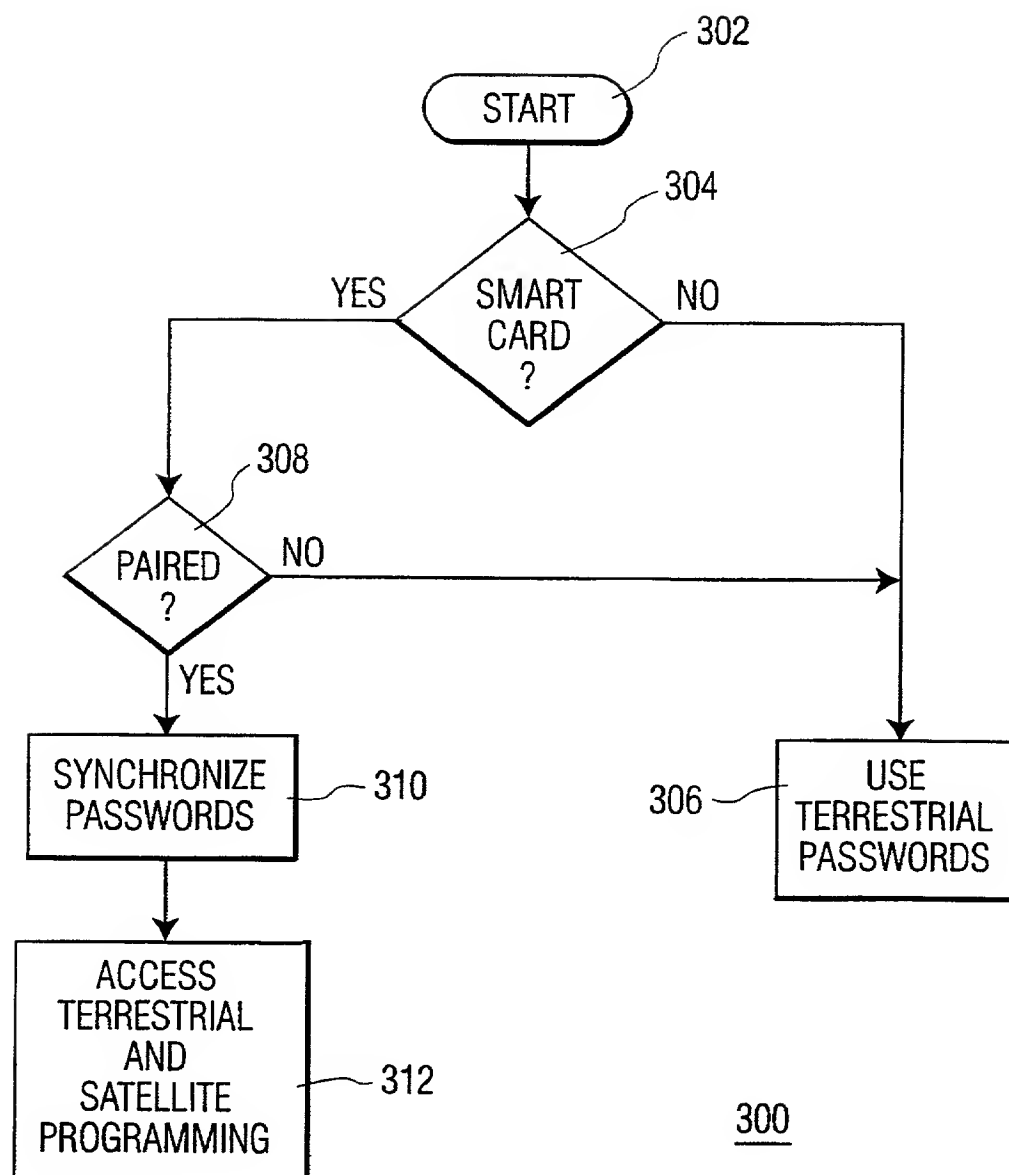


FIG. 3

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	First Named Inventor	Aaron Hal Dinwiddie et al
	COMPLETE IF KNOWN	
	Application Number	/
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR USING A SINGLE PASSWORD SET IN AN INTEGRATED TELEVISION SYSTEM

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

June 12, 2000

as United States Application Number or PCT International

Application Number PCT/US00/18950 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
60/143,923	July 14, 1999	

[Page 1 of 2]

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City PRINCETON		State NJ	ZIP 08543-5312
Country USA	Telephone (609) 734 - 9875		Fax (609) 734 - 9700
<small>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</small>			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <u>AARON HAL</u>		Family Name or Surname <u>DINWIDDIE</u>	
Inventor's Signature <i>Aaron Hal Dinwiddie</i>		Date <u>1-11-02</u>	
Residence: City <u>CICERO</u>	State <u>INDIANA</u>	Country US	Citizenship US
Mailing Address			
Mailing Address <u>1075 Bear Cub Drive</u>			
City Cicero	State Indiana	ZIP 46034	Country US
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <u>DAVID JOHNSTON</u>		Family Name or Surname <u>LYNCH</u>	
Inventor's Signature <i>David Johnston Lynch</i>		Date <u>1/1/2002</u>	
Residence: City <u>CARMEL</u>	State <u>INDIANA</u>	Country US	Citizenship US
Mailing Address			
Mailing Address <u>12562 Glendurgan Drive</u>			
City Carmel	State Indiana	ZIP 46032	Country US
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			